



5 September 2003

## **INFORMATION PAPER**

**SUBJECT:** Power Plant Road, Guam

1. Purpose: To provide information on the subject project.
2. Points of Major Interest and Facts.

a. The project is in the design phase for a shoreline revetment protecting a critical highway location leading to the existing Cabras Island power plant. The study site is located on the west central coast of Guam on Route 11B at the entrance to Cabras Island near Apra Harbor. The study was authorized by Section 14 of the Flood Control Act of 1946, as amended. The local customer is the Government of Guam, Department of Public Works. The work will be converted from Civil Works to an Interagency and International Service project for the Government of Guam, but financed by the Federal Highway Administration. A Memorandum of Understanding, executed between the Honolulu District and the Government of Guam on 12 May 1999 provides the basis for the reimbursable work. Funds totaling \$775,000 were received on 27 August 2003 from the Government of Guam to the Honolulu District for the construction and associated costs.

b. The recommended plan consists of shoreline protection along two reaches totaling 325 feet. The revetment would be constructed using a 2.9-foot single layer of 2,700 to 4,000 pound stones. A 2.2-foot underlayer would be provided using 100 to 300 pound stones. Geotextile filter cloth would be used to prevent erosion of subgrade material. The feasibility report was approved in November 1994. The estimated project first cost is \$725,000. The project has a benefit-cost ratio of 2.2.

c. An assessment and re-engineering of the physical affects of Super Typhoon Pongsona, and completion of required environmental certifications will be performed. A new topographic survey that quantified the effects of Pongsona was completed in late June 2003. An acquisition strategy is under consideration now, whether to combine this work with other shore protection projects financed by the Federal Highway Administration or with the U.S. Army Corps of Engineers Commercial Port Shore Protection project, just north of the Power Plant Road site, or as an independent contract.

3. Congressional Interest. There is minimal Congressional interest in this project, at this time.